



FIG. 1

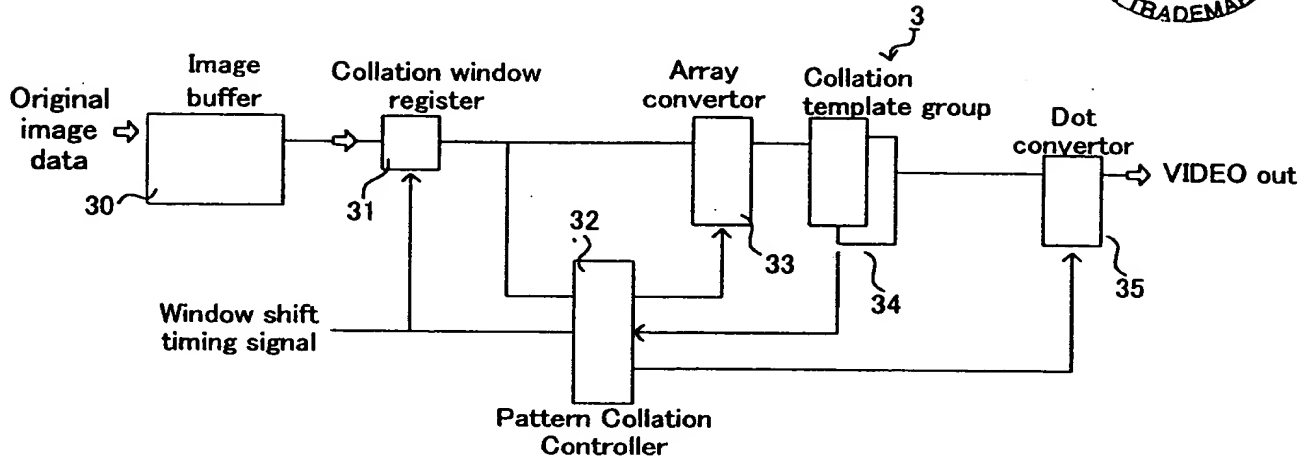
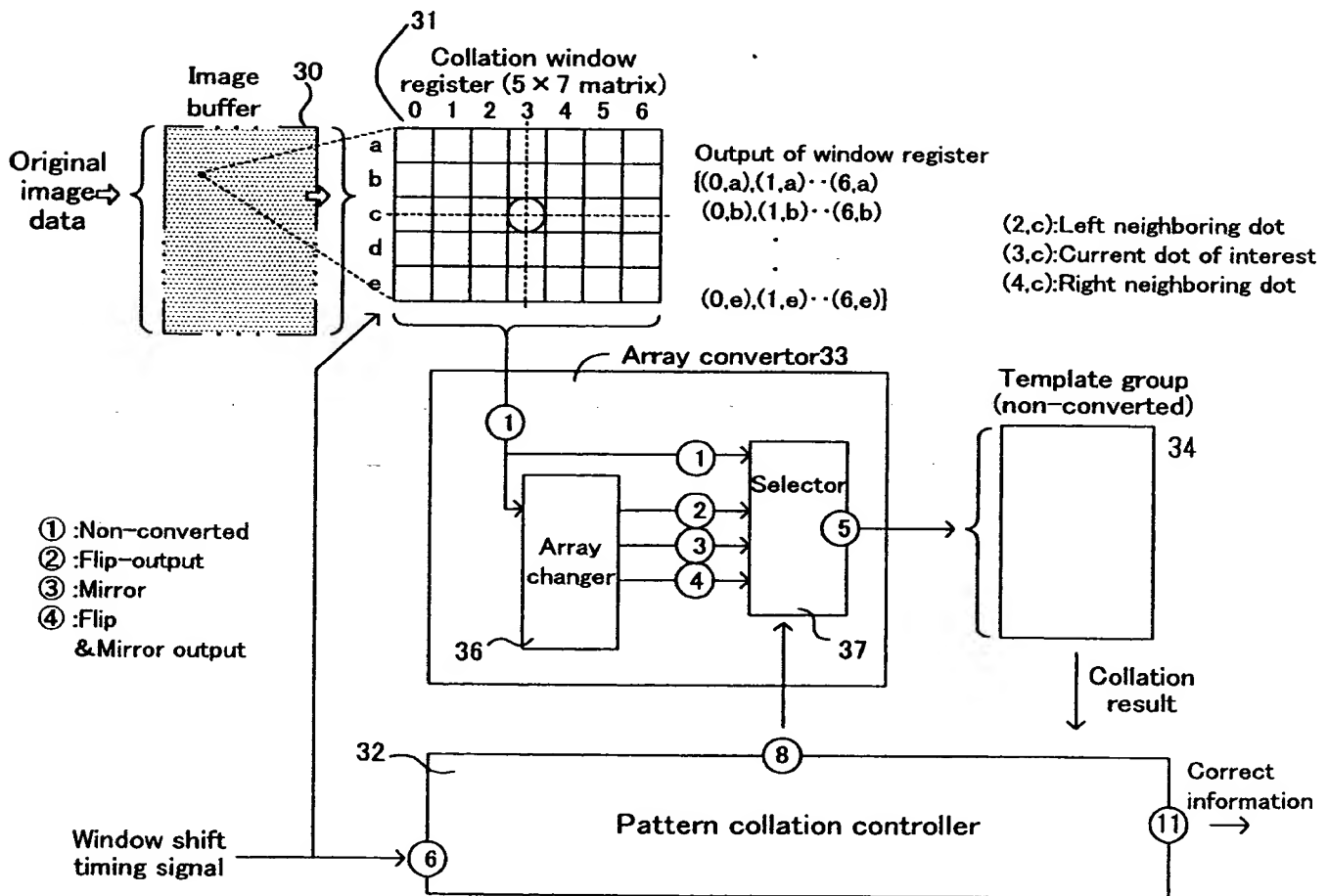


FIG. 2



Collation window array

① Non-converted

0 1 2 3 4 5 6

a x x x x ● x x

b x x x ● ○ x x

c x x x ● ○ x x

d x x ● ○ x x

e x x ● ○ x x

Mirror

③ Mirror

0 1 2 3 4 5 6

a x x ● x x x x

b x x ○ ● x x x

c x x ○ ● x x x

d x x ○ ● x x

e x x x ○ ● x x

Flip

② Flip

0 1 2 3 4 5 6

a x x ● ○ x x x

b x x ● ○ x x

c x x x ● ○ x x

d x x x ● ○ x x

e x x x ● ○ x x

Flip & Mirror

④ Flip & Mirror

0 1 2 3 4 5 6

a x x x ○ ● x x

b x x ○ ● x x x

c x x ○ ● x x x

d x x ○ ● x x

e x x x ○ ● x x

Collation template array

(a) Non-converted 34-1

0 1 2 3 4 5 6

a . . . ● . .

b . . . ● ○ . .

c . . . ● ○ . .

d . . ● ○ . .

e . . ● ○ . .

(c) Mirror 34-2

0 1 2 3 4 5 6

a . . . ● . .

b . . . ● ○ . .

c . . . ● ○ . .

d . . ● ○ . .

e . . ● ○ . .

Legend:

- : Current dot of interest (mark)
- : Mark dot
- : Space dot
- x: Non-collation dot
- : Collation mask dot